

ABSTRACT

In a communication system, a plurality of user terminals located in a plurality of service areas perform communications. The communication system includes a mobility control node configured to manage a service area where each user terminal is located; a session control node configured to manage a communication history of a communication performed by each user terminal; and a network load prediction node configured to acquire user information of the user terminal located in each service area and the communication history of each user terminal at predetermined timing, and to calculate a communication demand prediction in each service area based on the user information and the communication history.